

Name : M.Bhagya Lakshmi

Designation: Assistant Professor

Department: Electronics & Communication Engineering

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Experience (in years): 7 Teaching:6 Research: 1 Others (If any, Specify):Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D.	Persuing	Antennas
2	M.Tech	2014	Communication Engineering and Signal Processing
3	B.Tech	2012	Electronics & communication Engineering

2. Teaching and Learning:

2.1. Teaching Interests:

Basic Electronics Engineering, Electronic devices & Circuits, Antennas and wave propagation, Electronic Measurements and Instrumentation, Mobile and wireless networks, Global positioning system

2.2. Novel Teaching & Learning Techniques adopted:

Videos, PPT, Group Discussion

2.3. Involvement in curriculum updating / Design:

Updating the syllabus of subjects like smart Antennas, Electronic Measurements and Instrumentation, Microwave Engineering

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading books, listening Music, shopping

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Mentoring II, III and IV B.Tech students

3.5. Committees involved in:

Department level: NBA, ISO

Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Nil

4.2. Attended:

- One week FDP on "Trends and Challenges in Design and Implementation of Reconfigurable Antennas for Increased Spectrum Access in Cognitive Radio Communication" 20.07.2020 to 25.07.20
- One week FDP on "Contemporary Research Trends in Electronics and Communications and Computer Science", in Visweswaraya Technological University, Kalaburaga, 06-07-20 to 10-07-20
- One week FDP on "Recent Advances in Antennas and Applications", in KLEF, GUNTUR, July 14th- 18th 2020 → One Week National Level Online STTP 1 on "VRSEC, Vijayawada", 20.07.2020 to 25.07.20
- One Week National Level Online STTP II on "Electromagnetics, Microwave, RF and Antenna Design Using ANSYS-HFSS" in Dept of ECE, Shri Vishnu Engineering College for Women, Bhimavaram, 24-08-20 to 29-08-20
- Webinar on Challenges and Impacts of ECE on COVID-19, in Sri Eshwar College of Engineering, Tamilnadu on 03.07.20
- Webinar on Advanced Antenna Design for Emerging wireless Applications, in Vidya Jyothi Institute of technology on 01.08.20
- Webinar on Security and privacy concerns in Online Teaching-Learning, organized by IQAC, SSS Prasarak Mandal's College of education on 05.08.20.
- one week Workshop on Optimization and Intelligence in Electronics Engineering Applications", in SRMIST, 26-07-2021 To 30-7-2021.
- 2021 IEEE International workshop on Optimization and Intelligence in Electronics Engineering Applications (IEEEOIEEA-2021), NIT, silchar, 26th-30th July 2021. →
- Webinar on "Research Metrics and Software Tools" in Lakireddy Bali Reddy College Of Engineering, Mylavaram, 20th September 2021.
- A Three days FDP on "Essentials of 5G Communications", in PVPSIT, Vijayawada from 26.08.2021 to 28.08.2021.
- A Five days FDP on "Computational Techniques for Electromagnetics", organized by Department of ECE, DTU, India in collaboration with Xiangshan Laboratory (XSL), Zhongshan Institute of CUST, China and ARK Infosolutions Pvt. Ltd. India, December 27-31, 2021.
- A Five days FDP on "Inculcating Universal Human Values in Technical Education", organized by AICTE, 03-07 Jan 2022.
- One week FDP on "Recent trends in Microwave and beyond techniques" in ECE, SRM AP from 15-20, November, 2021.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

- Nil

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: 24

b) PG: 7

5.5. Research Interests: Antennas

5.6. Ph.D students: Nil

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/IS SN No.	Impact Factor/ Citation Index	National/ International
1	Analysis of Archimedean spiral antenna backed by Lossy dielectric and ground plane	International journal of scientific engineering and technology research	ISSN 2319- 8885 Vol.06, Issue.07	0.78 (Scopus)	International
2	Square Slot Loaded Micro strip Fed Multi Octave Band Radiator	Journal of Telecommunication, Electronic and Computer Engineering	ISSN: 2180 – 1843 Vol. 10 No. 1- 8,2017.	0.2 (Scopus)	International
3	Compact antipodal Vivaldi antenna with rectangular slots and shaping of flare to cover 6 to18 GHz",	Electromagnetics	ISSN: 0272- 6343 (Print) 1532- 527X (Online) , 2018.	1.09(SCI)	International
4	A Parametric Analysis & Design of All Metal Vivaldi Antenna Covering 3.0–18 GHz for DF	Progress in electromagnetics research c	Vol. 92, 57–69, 2019.(S CI)	1.6 (SCI)	International

	and Phased Array Applications"				
5	Five Element Printed Modified Vivaldi Array Covering 5.3 to 20 GHz	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-8 Issue-9, July 2019	0.5 (Scopus)	International

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Multi octave band stepped square slot Radiator	2017 4th International Conference on Electronics and Communication Systems (ICECS), Coimbatore, India.	International	2017.
2	Printed Elliptical Cut Vivaldi 1x5 Linear Array Antenna For X and KU band Applications (Accepted – Springer conference).	4th international conference on machine intelligence and signal processing, 2022	International	2022

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Analysis and design of shared aperture antenna	DLRL/DRDO Hyderabad	18 Months	10 Lakhs	Completed
2	Design, analysis of multi octave printed Vivaldi antenna covering from 6-18 GHz for	DRDO H.Qts, New Delhi	4 years	67 Lakhs	Completed

	phased array applications				
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5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
	Nil				

6. Awards / Honors received:

- 100% result in Basic Electronics Engineering in Electronic Measurements and Instrumentation theory subject in the academic year 2020-21.
- **Patent Awarded:**
 Title of Patent grant: **Multi octave band microwave printed radiator**
 Year of Award: January 2022
 Patent number: 201641005228
 Country: India
- **Patent filed: (With DRDO)**
Title of patent : Microwave Amplitude and Phase Distribution Network
 Application No: **202211014232**
 Date of filing of Application : March 16, 2022

7. **Motto:** “Go confidently in the direction of your dreams, live the life you imagined”.